

IV. Application

A. Reasons for Increase

- Click on the Sources of CO₂ site.

1. Why might India's use of fossil fuels have increased so dramatically from 1970 to 1989?

- Click "Back" to get back to the OAR Greenhouse Effect site.

B. Ways to Stop the Greenhouse Effect

- Click on the Summary site.

1. What can we do to slow the global warming increase due to the following gases?

Carbon Dioxide _____

Methane _____



Nitrous Oxide_____

CFCs_____

Ozone _____



- Click "Back" to get back to the OAR Greenhouse Effect site.
- Click on the "Slowing Warming" site.



2. What else can we do to slow global warming?



- Click "Back" to get back to the OAR Greenhouse Effect site.
- Click "Forward" at the bottom of the screen.

C. Cartoon

- Click on the "cartoon" site.

1. What is the point of this cartoon?

- Click "Back" to get back to the OAR Greenhouse Effect site.

D. Effects of Global Warming

1. Predict the economic effects on people affected by increasing global temperatures.

2. Predict the effect on plants affected by increasing global temperatures and increased carbon dioxide concentration.

V. Enrichment Activities

A. Research

1. Research Venus' Greenhouse Effect. How is it different from Earth's greenhouse effect?
2. Research ozone's role as a greenhouse gas. Find out which greenhouse gases destroy ozone.
3. Mars' atmosphere has a high concentration of carbon dioxide. Find out why Mars is so cold despite a high percentage of atmospheric CO₂.
4. Develop a plan for all countries to help decrease the greenhouse effect.

B. Related Web Sites

1. Climgraph Educational Graphics on Global Climate Change
<http://www.fsl.noaa.gov/~osborn/CLIMGRAPH2.html#Fig49>
2. Climate Monitoring and Diagnostics Laboratory
<http://www.cmdl.noaa.gov/>
3. CMDL Observatory Operations sites - Links to stations in Alaska, the South Pole, Samoa, and Mauna Loa in Hawaii
<http://www.cmdl.noaa.gov/oo/>